

From boatanchors@theporch.com Tue Apr 16 20:20:45 1996
From: John Shriver <jas@shiva.com>
Subject: Re: 45V B+ eliminators
Message-ID: <199604161406.KAA23082@shiva-dev.shiva.com>

Linear Technology publishes _superb_ application notes on their products, written and/or edited by Jim Williams. They have two bound volumes of them, and then some newer ones beyond that. The bound ones are apparently used as textbooks at some colleges!

There's plenty of coverage on the switching regulators. The acquisition of suitable transformers is non-trivial, however.

They, of course, also have data sheets. The data sheets I've seen on the WWW, but not the application notes.

From boatanchors@theporch.com Tue Apr 16 20:20:45 1996
From: kenc@smartdocs.com (Ken Corwin)
Subject: AN/USM-223 Replacement Mercury Batteries
Message-ID: <199604161923.MAA00807@warp10.smartlink.net>

Hello, All:

Fresh Alexander H133 4.2 volt mercury batteries are available from Battery Connection, 520 State Place, Escondido, CA 92029, 800/817-0526, at \$5.99 each, plus California Sales Tax, if applicable, plus \$4.77 (at least) shipping and handling from Escondido via UPS, which is the only way they will be shipped. If you live in Southern California, by the time you get two of these delivered to your home, they will have cost you almost \$9.00 each.

H133 batteries are made up of three 0.625" dia x 0.650" high x 1.4 volt cells in a sleeve making 4.2 volts per battery.

The 4.5 volt Eveready 523 alkline batteries used by Lynn, N8AJ, are about the same size, have a suggested retail price of \$4.90 each and are reported to be available at camera stores.

Regards,

Ken Corwin (kenc@smartdocs.com) Santa Clarita, Calif.

From boatanchors@theporch.com Tue Apr 16 20:20:45 1996
From: Fire Bottle archive handler <firebotl@jackatak.theporch.com>
Subject: Archives? What Archives?

Message-ID: <9604160756.aa07795@jackatak.theporch.com>

Chuck Hallett <ZI076@ccmail.ceco.com> wonders:

> I have read several references to BA Archives, BA for Sale Archives,
> Membership Archives? Reads like a museum, but I haven't got a clue
> how to use this wealth of information.

Oooops! I guess I have assumed, and falsely it would seem, that folks
knew about the archives... guess I'd better check the "Welcome"
message! ;^)

What is being referred to, Chuck, and other lost "soles," are a library
of files about various boatanchor topics... these are accessible via
email or ftp. I have a series of procs to move files and updates, so I
don't use the ftp... However, here is how these "museum pieces" can come
directly to you!

via ftp:

the archives are in the directory:

/pub/mailling-lists/boatanchors

vi email:

first send a message to:

listproc@theporch.com

and in the body, type:

index boatanchors

Once you see the "museum guide" to the files, most have odd names that
are vaguely suggestive (I think ;^) of what is inside, then send
another email to listproc@theporch.com, this time with the body:

get boatanchors <filename>

where you substitute the name of the file you want for <filename>
(omitting the "<" and ">")

I'm sorry that I have omitted this information, because these archives
are rich and loaded with good information...

--

73

Jack, W4PPT/Mobile (75M SSB 2-letter WAS #1657/#1789 -- both all mobile! ;^)

- - - BoatAnchor Mailing List Archiver/Owner - - -

firebot1@jackatak.theporch.com ---- listown@jackatak.theporch.com

From boatanchors@theporch.com Tue Apr 16 20:20:45 1996
From: jproc@worldlinx.com
Subject: BC221 Manuals
Message-ID: <Chameleon.4.01.2.960415211519.jproc@>

Dear BA'ers,

I've figured out why BC221 manuals are so scarce. From a photo in the book, it shows they were stored in the dust cover. This proves Dave Stinson's theory on how Boatanchors are born. Obviously all of the BC221's went to the first 'lot' along with the burnt-out coffee makers and ribbonless typewriters. The dustcovers and manuals went to the second 'lot' along with the used mousetraps and broken doorknobs.

Now, if we could only find all those missing BC221 dust covers :-):-)

Regards,

~~~~~  
Jerry Proc   VE3FAB  
E-mail: jproc@worldlinx.com  
Radio Restoration Volunteer  
HMCS Haida, Toronto Ontario  
~~~~~

From boatanchors@theporch.com Tue Apr 16 20:20:45 1996
From: John Kolb <jlkolb@cts.com>
Subject: Re: BC221 Operating Manual - Offer
Message-ID: <Pine.SC0.3.91.960415213804.4075B-100000@sd.cts.com>

On Mon, 15 Apr 1996 jproc@worldlinx.com wrote:

> It seems that a few of you have mentioned the fact that you are lacking
> operating and service manuals for your BC221 frequency meters. This weekend,
> I got hold of the BC221 operating and service manual (TM11-300AG) for the

Didn't realize this was a problem area. I've got a manual for the LM-15, NAVAER 08-5Q-48. Of course, it clearly says on the front "...revelation of its contents in any manner to an unauthroized person is prohibited by law." so maybe I shouldn't offer to make copies :)

73's

John Kolb KK6IL jlkolb@cts.com

From boatanchors@theporch.com Tue Apr 16 20:20:45 1996

From: arther.dent@smtp.prostar.com

Subject: collins auto-tune etc.

Message-ID: <m0u92Sj-000CudC@knuth.mtsu.edu>

ok....let me shake the trees and see what falls out.....

a friend dropped a BA in my lap the other night. (i caught it before it hit my knees) what it is, is a collins type COL-52286 Aircraft Radio xmtr.

serial number 942-A Navy Dept. contract 73238.

is this the collins auto-tune--an/art-13 ??????????

if it is, what's it worth? it's in very nice shape, but missing the inter-connect cables. also will it interface with my BC-312N????

on another note..... in moving things around the shack awhile ago...

i ooopppssd and dropped my BC-312....it still works great on AM., but the BFO is now dead..... anybody have any ideas to fix it???????

73's

mike

KB7VNT

i transmit therefore i am.....

From boatanchors@theporch.com Tue Apr 16 20:20:45 1996

From: Kevin Pease <hamradio@mm1001.theporch.com>

Subject: Collins Parts

Message-ID: <Pine.LNX.3.91.960416062255.25409A-1000000@mm1001.theporch.com>

I have a number of collins KWM-2 Transformers that I need help with.

I am hoping that these are the 2.7 mhz bandpass transformers.

Could someone please verify the part numbers for me and provide schematic for that portion of the XCVR please. Please EMAIL direct since I have the list on suspend cause I don't have time to deal with all of the mail.

Part numbers:

I think that this is the IF

278-0696-00

I think that this is the bandpass
278-0293-00A
278-0293-00B

Kevin Pease
WB0JZG Mount Juliet, TN.

From boatanchors@theporch.com Tue Apr 16 20:20:45 1996
From: John Shriver <jas@shiva.com>
Subject: Re: Cosmos PTO Documentation
Message-ID: <199604161342.JAA21478@shiva-dev.shiva.com>

The GenRad 1650A RLC bridge has a similar trimming trick on the main R potentiometer. There is a metal plate on the back that can be warped with about 8 screws. The arm of the pot has a rider that rides on that cam, which slightly "bends" the wiper arm of the pot sideways. (It is far more elegant than "bending". This is GenRad." This allows you to trim the pot very accurately over it's entire travel.

I'd bet that the earlier bridges (650A) probably had the same trick.

From boatanchors@theporch.com Tue Apr 16 20:20:45 1996
From: "E.Swain/T.Boyd" <lizboy@io.com>
Subject: Dillon (?) in Alaska
Message-ID: <Pine.BSI.3.91.960416124723.25799D-100000@pentagon.io.com>

Mailer daemon ate message to Jim Dillon (Ithink that's who it is) to whom inquiries about the Dachis book are to go. Dachis-book-guy-in-Alaska, please e-mail me direct! I would like to order the book and lost his e-mail address.
Many thanks.

Tom Boyd, lizboy@io.com

From boatanchors@theporch.com Tue Apr 16 20:20:45 1996
From: okasb@shoe.mtv.gtegsc.com (Bob Okas)
Subject: DX-35 mods, anyone?
Message-ID: <9604160527.AA08114@shoe.mtv.gtegsc.com>

Hello All,

All this DX-35 talk has gotten me wondering, "Are there any *published* performance improvement mods for said transmitter?"
I also own one but don't use it since it's such a pain to deal with.

Incorporating useful period mods would help make this a useful rig again.

Thanks,
Bob - N3MBY

From boatanchors@theporch.com Tue Apr 16 20:20:45 1996
From: "Christopher A. Bowne" <radiobwn@q.continuum.net>
Subject: Dyno Brushes
Message-ID: <199604161108.HAA28888@q.continuum.net>

Paul Bock recently wrote:

" I'm expecting a BC-348-Q, unmodified & complete with mounting rack, so I'll run it in it's "virgin" state (until the dynamotor brushes give out, anyway)."

Anyone know of a good source for replacement brushes? I haven't had to replace any here yet, but the time will come. How about the brushes sold at the hardware store from those yellow boxes in the fastener aisle? Do any of them match common dyno brushes? I would think the hardest ones to find are the "primary" low voltage, high current ones.

Amy advice on machining them from stock material? Where would that be obtained from?

73,

Chris Bowne, AJ1G
Stonington, CT.
radiobwn@q.continuum.net
AMI No. 211

From boatanchors@theporch.com Tue Apr 16 20:20:45 1996
From: "Bill Moore" <Bill_Moore@mevatec.com>
Subject: FS- Radio Stuff
Message-ID: <m0u9Com-000m5SC@cdsgw.CrystalData.COM>

Subject:

Time:18:23

OFFICE MEMO

FS: Radio Stuff

Date:4/15/96

Still cleaning out the garage, More to come, but here is the most recent list. You can call at 205 880 1207 for further info or email me at work bill_moore@mevatec.com for a faster response. Trades for Pilot Items are always welcome. Thanks

1. Zenith Royal model 50. Red in Color and in excellent shape. leather case is missing top. B0
2. Book-"Hyper and Ultra-High Frequency Engineering" by Sarbacher and Edson 1943 \$8
3. Sylvania Tube tester instruction book \$5 includes ship
4. RCA Master Voltohmyst instruction manual \$5 includes ship
5. Telefunken Sams for Verdi, Aida, Elite, and Operette 6 \$3 ea includes ship.
6. B&K catalog from 60s, shows test instruments \$4 includes ship
7. Johnson Viking "Messenger" CB instruction manual \$5 includes ship.
8. 1933 Supreme Instruments Catalog \$15
9. Simpson 262 multimeter operators manual \$4 includes ship
10. 1946 Wilcox Gay Recordio advertising Pamphlet \$5 includes ship
11. 1935 Ozburn-Abston and Co Radio and parts catalog 84 pages \$15.
12. Wilcox-Gay and Philco Recordio Blank Records \$4 ea or \$20 dollars for all(11)
13. Radio-Craft "Reference Annual" 1944, 46 \$4 each
14. Zenith Service Manual for 1948 and 49 \$9
15. GE PM-10 Oscillograph Instructions \$5 ship included
16. General Radio Co 1928 catalog \$18
17. United Motors model 2035 radio instructions \$3 ship inclu
18. Thordarson transmitter Guide and catalog, 1938 \$18 pp
19. "Radio" Magazine July 1934, November 24 \$6 ea
20. Radio Craft, December 1932 \$5
21. Radio News, August 1930, Oct 33, Oct 32, July 32, May 1932 \$5 ea
22. Radio World, June 1936, Dec 26 \$6 ea
23. Service July 1940, January 36 \$4 ea
24. Book, "Mechanical World" 1909 Electrical Pocket Book \$15
25. Book, Audels New Electric Library, 1943 \$8
26. I.C.S Telephone and Telegraph Engineers handbook \$15
27. Western Radio Catalog, Mid 20s, \$16
28. Electronics Magazine April 1940, July 1947 \$5
29. Burstein-Applebee 1969 catalog, \$5
30. Radio News, 1939 Radio and Television Data Book \$5
31. Instructions for Silver-Marshall models 60b,60, 75b, 95, 95b, \$3 ea
32. Radio-Craft, 50 yrs of radio aniversary, Not the reprint, original, \$22
33. Radiola Shortwave Adapter instructions \$4
34. Stanco model 30p transmitter kit spec brochure \$4
35. Beitman "How to modernize Radios for Profit" 1942 \$4
36. Short Wave Radio, May 1934 \$6
37. Zenith Dealer Sales Promo Catalog, 60s \$8

- 38. Pre 1934 Majestic Radio Blotter, shows Our Gang \$20
- 39. Spectra Guitar amplifier, made by Dean Markley, complete with tubes \$125
- 40. Nobility, Pocket transistor radio, green and white, says it has 15 transistors, nice condition \$10
- 41. AWA brown bakelite Skyscraper radio, Made in Austrailia, very nice condition, B0
- 42. Heathkit CB-1 radios \$100 for the pair.

From boatanchors@theporch.com Tue Apr 16 20:20:45 1996
From: Stanley Siegel <SIEGELS@turing.law.nyu.edu>
Subject: FS: test equipment
Message-ID: <s173ad34.002@turing.law.nyu.edu>

I have one last piece of test gear for sale, a Boonton 93AD digital AC millivoltmeter. This didn't sell in the Yellow Sheets at my asking price of \$300, and I don't need it, so I'm offering it for \$200 (which is below my cost). Our friends at Tucker ask \$1250 for this piece, although I don't know whether they have ever sold one at that price! I don't use this any longer, since I acquired a (very expensive) HP 3648A meter.

This is an 11-range auto-ranging digital meter, with full scale ranges from 1mV to 300 V; true RMS AC, with an auxiliary analog db scale. It has flat response from about 20 hz to above 20 mhz. Lab quality, with current calibration certificate.

Any interest?

From boatanchors@theporch.com Tue Apr 16 20:20:45 1996
From: JOHN_SEHRING.parti@ecunet.org
Subject: HALLICRAFTERS SEND/RX SWITCH CIRCUITRY
Message-ID: <9604152300.aa14221@pcusa01.ecunet.org>

Later Halliscratcher receivers (e.g. SX-96, -100, -101, 101A, -115) accomplished the Standby mode differently, and better too.

They simply lifted the bottom end of the sensitivity pot almost completely from ground to mute the receiver. The sensitivity pot was common to the cathode circuits of the RF and a couple of IF stages.

The sens pot is 10K/2W. Its lower end is wired to ground via a 330K resistor. The 330K resistor is jumpered by the Rx/Standby switch in the Rx

mode to put the lower end of the sens pot at ground; to get Standby, the switch is opened up, giving 330K + 10K resistance to ground, which cuts the gain of the controlled Rx stages to zero.

It works very smoothly, no pops, has instantaneous recovery, and no drift caused by a lack of B+ as in the older circuits. No power supply stress either 'cause there's less B+ current in the standby mode. Just make sure the VR tube's (if any) current draw doesn't exceed 40 mA or so in the standby mode.

I modified (gasp!) a National NC-125 from a B+ lifter to above circuit & works much better than the original.

From boatanchors@theporch.com Tue Apr 16 20:20:45 1996
From: RSmall01@aol.com
Subject: Re: Heathkit DX-20
Message-ID: <960415222532_470724187@emout10.mail.aol.com>

In a message dated 96-04-15 20:43:42 EDT, ZI076@ccmail.ceco.com writes:

> Was the DX-20 the successor of the AT-1? I think it may be, because I
> don't know of any lower numbered DX series transmitters. When was it
> marketed? I didn't get a manual (of course), so I don't know too much
> about it. Anyone???

>
> 73s,
>
> Chuck Hallett AI30

Chuck:

According to Chuck Penson in his "A Guide To Amateur Radio Products", the DX-20 was indeed a replacement for the AT-1 and was one of the most successful xmitters Heath ever made. Manufactured from 1957-1960, it first sold for \$35.95. A redesigned box from top to bottom, its 6CL6 gave a more stable signal and the 6DQ6 gave it twice the power of the AT-1..50 watts. Covers 80-10 and can be used with the VF-1 VFO

73
Dick N1WJP

From boatanchors@theporch.com Tue Apr 16 20:20:45 1996
From: lstolz@tekelec.com (Lynn Stolz)
Subject: Re: Heathkit DX-20
Message-ID: <9604161207.AA23621@london.oh.tekelec.com>

Chuck Hallett AI30 said:

>
> Was the DX-20 the successor of the AT-1? I think it may be, because I
> don't know of any lower numbered DX series transmitters. When was it
> marketed? I didn't get a manual (of course), so I don't know too much
> about it. Anyone???

My opinion only,

The DX-35 was the heir apparent to the AT-1.

The DX-40 inherited the DX-35's domain, followed on by the DX-40, then
the DX-60, DX-60A, and DX-60B.

The DX-20 was a 'cousin' of the DX-35, targeted for the Novice and CW op,
with no built-in capability or thought by the designers for add-on, or integral
AM capability like the AT-1/DX-35/DX-40...not to say that it couldn't be and
was easily modified to do so.

The DX-20 replacement was the somewhat rare HX-11, which is basically a DX-20
in new skins, with improved meter and 120VAC relay control jack.

By the way, I ran across a "Heath designed circuit" for a suggested modulator
for the AT-1 in an old sales flyer by Heath. I think it is fairly common
knowledge that Heath never manufactured a modulator designed for the AT-1,
and that they designed in the capability to easily add a modulator.

Lynn, N8AJ

From boatanchors@theporch.com Tue Apr 16 20:20:45 1996

From: Chuck Penson <penon@sci.mus.mn.us>

Subject: Re: Heathkit DX-20

Message-ID: <3173B20A.51F1@sci.mus.mn.us>

Lynn Stolz wrote:

> My opinion only,
>
> The DX-35 was the heir apparent to the AT-1.

My opinion only,

My interpretation is that since the DX-20 was a CW only transmitter
(like the AT-1) that it, not the DX-35 was the AT-1 replacement.

Since the DX-35 had "phone" capabilities I consider it to be a "new
product," as opposed to a "replacement" even though it was released
just before the DX-20.

--

Chuck Penson
Education Division
Science Museum of Minnesota

penson@sci.mus.mn.us
612.221.4510 voice
612.224.5092 fax
<http://comped.sci.mus.mn.us>

Standard Disclaimer: The opinions expressed are etc. etc. ...

"Nothing is too wonderful to be true" -- Michael Faraday

From boatanchors@theporch.com Tue Apr 16 20:20:45 1996
From: dlightfoot@prodigy.com (MR CHARLES L LIGHTFOOT)
Subject: HQ-110 Assist
Message-ID: <097.06104776.XLKW26A@prodigy.com>

-- [From: Charles L Lightfoot * EMC.Ver #2.10P] --

Greetings BA's

After having ignored the recent postings on the HQ-110's recently, I brought one home from the Framingham flea. Very clean (now), but all the compression trimmers were tightened down since they were loose. My 12 year old son would interject a one word description which we would all recognize right about here in the story. Anyway, can some

kind soul e-mail me the IF and conversion scheme as it appears to be different for the two lower bands. Also the RF bandswitch (last) section

for 80 and 160 have red or gray wires attached to a set of contacts on that same switch section which appear to toggle the RF coils to a terminal which has no hookup. It works OK, so I am assuming this must be provision for some other intended variant of the radio?

The AVC does not work on SSB and CW. Is this intentional by design or broke?

Thanks and 73. Deke dlightfoot@prodigy.com Pepperell, Mass

Still looking for Viking II top and bottom covers

From boatanchors@theporch.com Tue Apr 16 20:20:45 1996

From: arther.dent@smtp.prostar.com
Subject: Re:Ideas for a 28 VDC supply?
Message-ID: <m0u93B8-000CwKC@knuth.mtsu.edu>

paul writes.....

<clip>

B> weekend (rendering unto Caesar) so I thought I'd ask: Anyone
B> have any ideas for 28 VDC supplies, about the 3-amp range, using
B> readily available (Hosfelt, Mouser, Jameco, etc. as sources)
B> components?

one good source would be garage sales and gen. flea markets...
back in the 60's Clarke floor equip. <div. of Studebaker corp.>
used some 36v batt powered stuff.
they also produced a 36v @ 30A batt charger to re-charge the equip.
i just picked one of these chargers up last weekend at the Portland
swap meet <old car swap meet>.
i think if i add a couple of filters i can use it to run a lot of equipment.
mike
KB7VNT

From boatanchors@theporch.com Tue Apr 16 20:20:45 1996
From: Sandy Blaize <70401.134@CompuServe.COM>
Subject: Looking for: 860 tubes...
Message-ID: <960416175911_70401.134_IHD72-1@CompuServe.COM>

Looking for two known good 860 tubes or one NOS and one
used 860. Any out there you Navy transmitter collecting types? Want
to build a BIG Hartley ECO transmitter!
73,
Sandy W5TVW

From boatanchors@theporch.com Tue Apr 16 20:20:45 1996
From: JOHN_SEHRING.parti@ecunet.org
Subject: MANUALS WANTED
Message-ID: <9604152300.aa14226@pcusa01.ecunet.org>

Might anybody be able to make me copies of the following service manuals
for:

1. Jackson model 640 RF Signal Generator
2. Central Electronics model MM-2 'Multiphase' RF Analyzer (I've got the

manual for the earlier model MM-1)

3. Heathkit model HD-1 Harmonic Distortion Meter

4. Heathkit model AG-10 Sine/Square Wave AF Generator

(I don't need the construction part for the above two.)

Please contact me outside of the meeting. Thanx!

From boatanchors@theporch.com Tue Apr 16 20:20:45 1996
From: "F r6fqHo!ht" <75121.100@CompuServe.COM>
Subject: R390A BFO 10 turn knob
Message-ID: <960416044007_75121.100_FHI66-2@CompuServe.COM>

I received a message re the 10 turn knob and it seems that it would be more usefil than one would first assume. I received the following:

<Hi, Ray, its me again. I was in the US AIR FORCE in the 1960's. I
<was a radio intercept operator. All of our R390s had the 10 turn bfo tuning
<knob. We used them for receiving data transmissions (rtty, etc) because they
<allowed repeatability in the setting of the bfo frequency. Hope this helps.
<

So, I will not remove mine until I have a chance to use it at length.

Regards from Honolulu,
Raymond Cote
75121.100@compuserve.com

From boatanchors@theporch.com Tue Apr 16 20:20:45 1996
From: jmartin@hrlban1.aircrew.asu.edu
Subject: Radio(tron) Desg. Hdbk.
Message-ID: <SA39+6BvQla@hrlban10.alhra.af.mil>

I find it interesting that the "Radiotron Designer's Handbook" 4th Edition, reprinted by Antique Electronic Supply, is called the 'Radio Designer's Handbook.' RCA called their tubes 'Radiotrons' starting back in the 1920s. Perhaps a trademark issue? Yet AES has reprinted RCA's transmitting and receiving tube manuals, and used the name in those books. ??

73, John Martin
jmartin@hrlban1.aircrew.asu.edu

From boatanchors@theporch.com Tue Apr 16 20:20:45 1996
From: lstolz@tekelec.com (Lynn Stolz)
Subject: Radiotron 4th Ed. Reprint Available
Message-ID: <9604161310.AA24640@london.oh.tekelec.com>

All you tubemeisters:

Got a spring sales flyer from Antique Electronic Supply in the mail yesterday and noticed they have published a reprint-8 1/2x11 format-of the 4th Ed. Radiotron Designer's Handbook. Pretty pricey, but at least it is available.

Lynn, N8AJ

From boatanchors@theporch.com Tue Apr 16 20:20:45 1996
From: pbock@melpar.esys.com (Paul H. Bock)
Subject: Technical books
Message-ID: <9604161614.AA08950@syseng1.se.melpar.esys.com>

The following technical books are available for the best offer received. Please e-mail offers and include a few dollars for shipping as part of the total (no need to break it out separately). Both books are hardbound, complete, covers intact and no missing pages.

"Reference Data For Radio Engineers," ITT, 4th edition, 1956. Good condition except the cover is starting to separate from the binding.

"Principles of Radar," MIT Radar School Staff, 3rd edition, 1952. Good condition.

73,

Paul, K4MSG

* Paul H. Bock, Jr.	* Principal Systems Engineer
(_) * E-Systems/FC Division	* Telephone: (703) 560-5000 x2062
) * 7700 Arlington Blvd.	* Internet: pbock@melpar.esys.com
* Falls Church, VA 22046	* Mailstop: N204

"Imagination is more important than knowledge." - Albert Einstein

From boatanchors@theporch.com Tue Apr 16 20:20:45 1996
From: Nina West <ninaw@u.washington.edu>

Subject: Thanks for R-388 cover info.

Message-ID: <Pine.A32.3.92a.960415210048.126237A-100000@homer17.u.washington.edu>

Thanks to the many people that educated me on how the top cover to my R-388 should be tied down. If I can't find the original part, I might try a shoulder screw from an old typewriter. As an aside, one of my jobs while going to college was as a typewriter repairman. This was where I first used a bristol wrench, on old IBM electric typewriters. I still get my bristols from the local platen recovering outlet, Seattle Platen. It might also be a good source for bristol head setscrews, but I haven't checked. Also, other tools, chemicals, etc. There might be something similar in your nearby big city.

Fred Powell
c/o
ninaw@u.washington.edu

From boatanchors@theporch.com Tue Apr 16 20:20:45 1996
From: "Pulhamus, William R" <wrp@rfpo1.rfc.comm.harris.com>
Subject: Tube Information Needed
Message-ID: <3173A203@smtpgate.rfc.comm.harris.com>

I have several tubes that are labeled Type VU-111 and also 10 E/146, the tube stands about 5 inches tall, has a pear shaped envelope and a plate cap. It has 4 pins on the base with metal springs similar to a small banana plug. Electrically the tube appears to be a single diode with a directly heated cathode. The tube was manufactured by Electronic Enterprises Inc. , Newark New Jersey. The date code on the box is March 25 1944. Any information on these tubes would be appreciated as well as if they are of value to anyone. Power supply rectifiers is one area where I prefer si___on devices.

Bill Pulhamus
wrp@rfpo1.rfc.comm.harris.com

From boatanchors@theporch.com Tue Apr 16 20:20:45 1996
From: lkayser@WorldLink.ca (Larry Kayser)
Subject: Tube Information Needed Please, 1613
Message-ID: <9604160201.AB03210@beacon.WorldLink.ca>

I need information on the American tube type 1613 as used in WW II. This tube has surfaced in my clandestine radio research and seems out of place in

the environment I have found it in. The tube maybe, I HOPE, a direct substitute for another tube that might be much better known. I need to understand as well, if possible, when the tube was introduced and what it was primarily type of hardware that is was designed into during this period. IF possible I would like to know the VT number as well, the commercial number, and just possibly if there is a direct european tube replacement.

Any help with this will be greatly appreciated. This particular tube does not appear in any other research material I have had access to in the last 6 months of work.

Larry

va3lk / wa3zia

From boatanchors@theporch.com Tue Apr 16 20:20:45 1996
From: Dean Davidson <ddavidso@metz.une.edu.au>
Subject: Re: Tube Information Needed Please, 1613
Message-ID: <1.5.4.16.19960416205342.0a2fa514@metz.une.edu.au>

At 09:07 PM 15/04/96 -0500, Larry wrote:
>I need information on the American tube type 1613 as used in WW II.

Thats an easy one!

According to Babani*:
6AG6, 6AY5, 6F6, 6M6, 6P25, 6PX6, 6V6 <- this probably helps!
1611, 1613, 1621, 5871, 5992, EL33, KT61, KT63, N63, N147, PP6BG
are equivalents.

Further 1613 has a CV number CV655
and a VT number VT175

*Everyone should have a copy of this. "Radio, Telvision, Industrial Tube, Transistor and Diode Equivalents Handbook" by B.B. Babani, Bernards (Publishers) Ltd. The Grampians Western Gate London W6, March 1965

Cheers,
Dean

--

Dean Davidson
Dept Psychology
University of New England
Armidale NSW 2351 Australia

ddavidso@metz.une.edu.au
Phone 61 67 73 2585
Fax 61 67 73 3820
VK2 ZID

From boatanchors@theporch.com Tue Apr 16 20:20:45 1996
From: jproc@worldlinx.com
Subject: RE: Tube Information Needed Please, 1613
Message-ID: <Chameleon.4.01.2.960415220120.jproc@>

>I need information on the American tube type 1613 as used in WW II.

Larry,

The 1613 was a 10 watt transmitting pentode with a useful upper frequency of 45 Mhz and having a 6.3 volt heater. Typically it provided 9 watts in telegraphy use and 6 watts in radiotelephone service. It is cross referenced as a VT175. Let me know if you need any further specs.

One of my tube sub listings show this equivalent to a 6F6 but don't buy it for a second. The 6F6 is only good to 10 Mhz, so I don't know how this is supposed to be a sub.

Can't help you much on the applications of the 1613. I can tell you that the 1613 was not used in any of the avionics aboard the B-24 Liberator as I checked the entire system manual!

Regards,

~~~~~  
Jerry Proc VE3FAB  
E-mail: jproc@worldlinx.com  
Radio Restoration Volunteer  
HMCS Haida, Toronto Ontario  
~~~~~

From boatanchors@theporch.com Tue Apr 16 20:20:45 1996
From: "Grant Youngman" <nq5t@gte.net>
Subject: Wanted: Stancor C-1515 Choke
Message-ID: <199604161215.HAA03226@uro.theporch.com>

Looking for a Stancor C-1515 20H 15ma choke or equivalent.

Anyone have such a beastie in ye olde junke box?

Grant/NQ5T

Grant Youngman / NQ5T
nq5t@gte.net
HTTP://home1.gte.net/nq5t/index.jpg

Wanted: Hammarlund SPC-10

From boatanchors@theporch.com Tue Apr 16 20:20:45 1996
From: "Ray L. Mote" <rmote@rain.org>
Subject: WTB: BC-474 or AVR-20 parts/junkers
Message-ID: <Pine.SUN.3.91.960416091400.11376A-1000000@coyote.rain.org>

Henry Engstrom, KD6KWH, will be giving a talk on the BC-474 at the military radio collectors' meet in San Luis Obispo on 18 May. He'd like to have a second operational unit for that presentation, but needs the I.F. cans for the receiver and the microphone transformer for the transmitter. An alternate "organ donor" for the I.F. cans would be an AVR-20 receiver. Can anyone help him?

Henry can be reached at (707) 544-5179. Or, if you prefer, email me and I'll make a long-distance call up to Santa Rosa and let him know. Be sure to pass along your phone number, so he can call you back.

73.....Ray Mote, W6RIC <rmote@rain.org> Oxnard, CA

From boatanchors@theporch.com Tue Apr 16 20:20:45 1996
From: "Ray L. Mote" <rmote@rain.org>
Subject: WTB: ZM-11 R-C-L Bridge
Message-ID: <Pine.SUN.3.91.960416092015.11376B-1000000@coyote.rain.org>

I'd like to acquire a military ZM-11 (any variant) bridge. Anyone got one for sale, or know where I can get one? Would also like to find an original manual, but have a photocopy I can work with for now.

73.....Ray Mote, W6RIC <rmote@rain.org> (805) 985-6048
3610 Oarfish Lane
Oxnard, CA 93035-1320

From boatanchors@theporch.com Tue Apr 16 20:20:45 1996
From: Dave <72550.2274@CompuServe.COM>
Subject: WTB: Drake TC-6 or TR-6
Message-ID: <960416123458_72550.2274_IHD77-5@CompuServe.COM>

Hello all!

I am looking for a Drake TC-6 transmitting converter to go along with the SC-6 receiving converter I just found thanks to a fellow BAite. I would also be interested in the TR-6 transceiver as well.

Any help would be appreciated. I would be glad to help search for gear that any of you may need here in the midwest.

73's

Dave Hutchison KW9U